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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/841,595	04/25/2001	Koichi Motoike	206569US2	4759

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ALEXANDRIA, VA 22314

EXAMINER

WELLS, KENNETH B

ART UNIT	PAPER NUMBER
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2816

DATE MAILED: 08/01/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/841,595

Applicant(s)

MOTOIKE, KOICHI

Examiner

Kenneth B. Wells

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 June 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,4,11,14 and 20 is/are rejected.
- 7) ☒ Claim(s) 2,3,5-10,12,13 and 15-19 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other: _____

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1. The amendment filed on 6/9/03 has been received and entered in the case.

2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

3. Claim 3 is objected to because of the following informalities: "a second capacitor element" lacks antecedent basis, because claim 1 does not recite any "first capacitor." Appropriate correction is required.

4. Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Mohwinkel.

Note Fig. 11, where the FET is element 202 and the inductor is element 208. The recitation on the last five lines of claim 1 is deemed to be inherent.

5. Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Dougherty.

Note Fig. 2, where the FET is element 42 and the inductor is element 44. The recitation on the last five lines of claim 1 is

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deemed to be inherent. Note also column 3, lines 15-30 which discuss that the inductor value is set in accordance with the input signal.

6. Claims 1, 4, 14 and 20 are rejected under 35 U.S.C. 102(b) as being anticipated by Cazaux.

Note Fig. 2, where the FET is element T1 and the inductor is element L1. The recitation on the last five lines of claim 1 is deemed to be inherent. The control circuit is the combination of terminal Vd1, capacitor C3 and inductor L2.

7. Claims 1 and 11 are rejected under 35 U.S.C. 102(b) as being anticipated by Presser.

Note Fig. 4, where the FET is element 22 and the inductor is element 74 or 76. The recitation on the last five lines of claims 1 and 11 are deemed to be inherent. The capacitor of claim 11 is element 52.

8. Claims 1, 4, 11 and 14 are rejected under 35 U.S.C. 102(b) as being anticipated by Suematsu et al.

Note Fig. 10, where the FET is element 32 and the inductor is element 65. The recitation on the last five lines of claims 1

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and 11 are deemed to be inherent. The capacitor of claim 11 is element 66. The control circuit is all of the circuitry in Fig. 10 connected to the drain of FET 32.

9. Claims 1, 4, 11 and 14 are rejected under 35 U.S.C. 102(b) as being anticipated by Staudinger et al.

Note Fig. 2, where the FET is element 38 and the inductor is element 50. The recitation on the last five lines of claims 1 and 11 are deemed to be inherent. The capacitor of claim 11 is element 52. The control circuit is all of the circuitry in Fig. 2 connected to the drain of FET 38.

10. Claims 2, 3, 5-10, 12, 13 and 15-¹⁹~~20~~ are objected to as being far dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

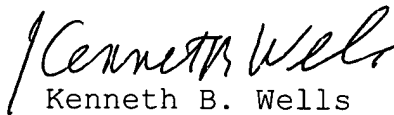
11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kenneth B. Wells whose telephone number is 703-308-4809. The examiner can

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normally be reached on Monday through Friday from 7:30am to 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy P. Callahan, can be reached at 703-308-4876. The fax phone numbers for TC2800 are 703-872-9318 (before final) and 703-872-9319 (after final).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is 703-308-0956.


Kenneth B. Wells
Primary Examiner
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July 28, 2003